

What is claimed is:

1. An information attaching device for attaching information to an image containing a plurality of photographed objects, and acquiring information-attached image, comprising:

5           information attaching means for attaching different information to each of a plurality of regions in said image that respectively contain said plurality of photographed objects, and acquiring said information-attached image.

2. The information attaching device as set forth in  
10 claim 1, wherein said information attaching means is means for acquiring said information-attached image by hiddenly embedding said information in said image.

3. An information detecting device comprising:

15           input means for receiving photographed-image data obtained by photographing an image reproducing medium, on which the information-attached image acquired by the information attaching device as set forth in claim 1 is reproduced, with image pick-up means; and

20           detection means for detecting said information from said photographed-image data for each of said plurality of photographed objects contained in said information-attached image.

4. The information detecting device as set forth in claim 3, further comprising distortion correction means for  
25   correcting geometrical distortion contained in said photographed-image data;

wherein said detection means is means for detecting said information from the photographed-image data corrected by said correction means.

5        5. The information detecting device as set forth in claim 3, wherein said image pick-up means is a camera provided in a portable terminal.

10        6. The information detecting device as set forth in claim 3, wherein said information is location information representing storage locations of audio data correlated with said plurality of photographed objects, and which further comprises audio data acquisition means for acquiring said audio data, based on said location information.

15        7. An information attaching method of attaching information to an image containing a plurality of photographed objects, and acquiring information-attached image, comprising the step of:

20        attaching different information to each of a plurality of regions in said image that respectively contain said plurality of photographed objects, and acquiring said information-attached image.

8. An information detecting method comprising the steps of:

25        receiving photographed-image data obtained by photographing an image reproducing medium, on which the information-attached image acquired by the method as set forth in claim 7 is reproduced, with image pick-up means; and

detecting said information from said  
photographed-image data for each of said plurality of  
photographed objects contained in said information-attached  
image.

5           9. A program for causing a computer to execute an  
information attaching method of attaching information to an image  
containing a plurality of photographed objects, and acquiring  
information-attached image, said program comprising:

          a procedure of attaching different information to each  
10 of a plurality of regions in said image that respectively contain  
said plurality of photographed objects, and acquiring said  
information-attached image.

          10. A program for causing a computer to execute:

          a procedure of receiving photographed-image data  
15 obtained by photographing an image reproducing medium, on which  
the information-attached image acquired by the method as set  
forth in claim 7 is reproduced, with image pick-up means; and

          a procedure of detecting said information from said  
photographed-image data for each of said plurality of  
20 photographed objects contained in said information-attached  
image.